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S E C R E T CITE NPIC 0134.

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-952, 15 MAR 67.

((TEXT WHICH FOLLOWED WAS IDENTICAL TO ABOVE CITED MSN G-952))

17 MAR 1967

S E C R E T

-END OF MESSAGE-

NGA review(s) completed.

DISTRIBUTION		
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S/C NOTE: ALSO PASSED

Approved For Release 2006/03/16 : CIA-RDP78B03817A000400020024-3

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-952, 15 MAR 67.

THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMBAT TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--

C @CLEAR@, SC @SCATTERED CLOUD COVER@, HC @HEAVY CLOUD COVER@, H @HAZE@, CS @CLOUD SHADOW@, SD @SEMIDARKNESS@, GC @GROUND COVER@, CF @CAMOUFLAGEN@, O @OBLIQUITY@, AND GR @GROUND RESOLUTION@.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS

G @GOOD@, F @FAIR@, OR P @POOR@. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL@

OR PT @PARTIAL@. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO@, NS @NONSTEREO@, OR PS @PARTIAL STEREO@.

AAA DEFENSES ARE DIVIDED INTO FOUR BASIC CATEGORIES -- LIGHT @21-75 MM@, MEDIUM @76-100 MM@, HEAVY @OVER 100 MM@, AND AUTOMATIC

WEAPONS @ZPU-1, ZPU-2, AND ZPU-4@. IF THE CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED @EXAMPLE -- 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED@.

MISSILES

ALQUIZAR SAM SITE A30-2 CU 2249N 08238W
OB -- 6 EMPLACED LAUNCHERS AND AN OCCUPIED GUIDANCE AREA OBSERVED.

OBLIQUITY LIMITS INTERPRETATION.

HOLGUIN SAM SITE B27-2 CU 2052N 07627W
OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES@, 1 ADDITIONAL LAUNCHER JUST OUTSIDE RING ROAD, 7 CANVAS-COVERED MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 3 ADDITIONAL VAN TRAILERS, 2 CARGO TRUCKS, AND 2 TRUCK-MOUNTED CRANES. ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE. NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

HOLGUIN AIRFIELD SAM SITE CU 2046N 07619W
OB -- 2 EMPLACED LAUNCHERS WITH MISSILES, 2 MISSILE TRANSPORTERS, AND 2 VEHICLES/PIECES OF EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.

MAJANA SAM SITE 2 A27-A2 CU 2241N 08249W
OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES@, 8 MISSILE TRANSPORTERS WITH EXPOSED MISSILES, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, AN ACQUISITION RADAR WITH GENERATOR VAN, 7 AT-S TRACKED PRIME MOVERS, 3 ZIL-157V TRUCK TRACTORS, 8 CARGO TRUCKS, 1 TRUCK-MOUNTED CRANE, AND 3 OTHER VEHICLES. NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

MARIEL SAM SITE 2 A30-2 CU 2300N 08248W
OB -- 6 EMPLACED LAUNCHERS @1 WITH MISSILES@, 8 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 8 AT-S TRACKED PRIME MOVERS, 9 CARGO TRUCKS, 4 VAN TRUCKS, 3 VAN TRAILERS, AND 4 OTHER VEHICLES/PIECES OF EQUIPMENT.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

SANTA CLARA SAM SITE A34-2 CU 2229N 08000W
PERMANENT SITE IS IN LATE STAGES OF CONSTRUCTION.

OB -- 11 CANVAS-COVERED MISSILE TRANSPORTERS ARE IN AN

PLEASE

OB BAT TEMPORARY ADJACENT SITE -- 6 EMPLACED LAUNCHERS
Q4 WITH MISSILES, 1 CANISTER, 2006/03/16 : CIA-RDP78B03817A000400020024-3
TRANSPORTER, AND AN OCCUPIED CENTRAL GUIDANCE AREA.
ACTIVITY -- THE 6-GUN AAA SITE REMAINS OCCUPIED.
SCATTERED CLOUDS AND OBLIQUITY LIMIT INTERPRETATION.

CONSTANCIA SAM SITE A10-2 CU 2214N 08030W
OB -- 6 EMPLACED LAUNCHERS, 1 LAUNCHER ADJACENT TO
SUPPORT BUILDING, 11 MISSILE TRANSPORTERS, AN OCCUPIED
CENTRAL GUIDANCE AREA, AN ACQUISITION RADAR WITH
ASSOCIATED GENERATOR VAN, AND 37 OTHER VEHICLES/PIECES
OF EQUIPMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.
OBLIQUITY LIMITS INTERPRETATION.

LA VEGUITA SAM ASSEMBLY AREA CU 2049N 07615W
OB -- 2 MISSILE TRANSPORTERS, NUMEROUS MISSILE
CANISTERS, 13 CARGO TRUCKS, 5 MISSILE CANISTER
TRANSPORTERS, AND 14 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

SANTA FE SAM SITE CU 2147N 08250W
OB -- 6 EMPLACED LAUNCHERS, 24 MISSILE TRANSPORTERS, AN
OCCUPIED GUIDANCE AREA, AN ACQUISITION RADAR WITH
GENERATOR VAN, 13 TRACKED PRIME MOVERS, 1 TRUCK-MOUNTED
CRANE, AND 7 OTHER VEHICLES OBSERVED IN CLOUD-FREE
AREAS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

SAN PEDRO DE CACOCUM SAM SITE 2 CU 2045N 07615W
OB -- 6 EMPLACED LAUNCHERS Q3 WITH MISSILES, 9 MISSILE
TRANSPORTERS Q8 WITH EXPOSED MISSILES, AND A FAN SONG
RADAR WITH 6 VAN TRAILERS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

SIGUANEA CRUISE-MISSILE SITE CU 2137N 08258W
SITE REMAINS ABANDONED.

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD CU 2229N 07956W
OB -- AT LEAST 23 FAGOT/FRESCO, 2 LIAISON, AND 1 HOUND.
ACTIVITY -- 2 SHIPPING CRATES.
SCATTERED CLOUDS LIMIT INTERPRETATION.

CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W
OB -- 2 C-47, 1 CRATE, 2 COLT, 1 LIAISON, AND 18 HOUND.

HOLGUIN AIRFIELD CU 2047N 07618W
OB -- 9 FAGOT/FRESCO AND 1 HOUND.

LOS CANOS AIRFIELD CU 2005N 07509W
OB -- 1 C-47.

SIGUANEA AIRFIELD CU 2138N 08257W
OB -- NONE OBSERVED IN CLOUD-FREE AREAS.

COLONEL MARTIN MARRERRO AIRFIELD CU 2150N 08246W
OB -- 1 CRATE AND 1 LIAISON.

JOSE GONZALES AIRFIELD CU 2209N 08024W
OB -- 1 COOT WITHOUT OUTER WING PANELS.

BAYAMO AIRFIELD CU 2022N 07637W
OB -- 3 C-47

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2-2

25X1 [REDACTED]
BAYAMO AIRFIELD CU 2223N 07637W
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OB -- NONE OBSERVED

NAVAL ACTIVITY/PORTS

25X1 2 MARIEL NAVAL BASE AND NAVAL AIR STATION CU 2259N 08244W
OB -- 1 PF, 1 KRONSHADT-CLASS PC, 6 S.O.1-CLASS SC, 3
YP, AND 1 UNIDENTIFIED NAVAL VESSEL ON MARINE RAILWAY.
OTHER VESSELS -- 1 LARGE FREIGHTER.

25X1 [REDACTED]
CABANAS NAVAL BASE CU 2258N 08258W
OB -- 13 KOMAR-CLASS PTG.

25X1 [REDACTED]
SIGUANEA NAVAL BASE CU 2136N 08258W
OB -- 1 YP.

25X1 [REDACTED]
CIENFUEGOS NAVAL BASE CU 2208N 08027W
OB -- 2 KRONSHADT-CLASS PC 01 ON MARINE RAILWAY AND 8
P-6-CLASS PT 02 ON MARINE RAILWAY.
OTHER VESSELS -- 4 LARGE FREIGHTERS.

25X1 [REDACTED]
MANZANILLO PORT CU 2021N 07707W
VESSELS -- NONE OBSERVED.

25X1 [REDACTED]
NUEVITAS PORT CU 2132N 07715W
VESSELS -- 8 LARGE FREIGHTERS AND 1 LARGE TANKER.

25X1 [REDACTED]
NUEVA GERONA PORT CU 2153N 08248W
VESSELS -- NONE OBSERVED.

25X1 [REDACTED]
LA ISABELA PORT CU 2256N 08000W
VESSELS -- 4 LARGE FREIGHTERS, 1 COASTAL FREIGHTER, AND
1 LARGE TANKER.

25X1 [REDACTED]
CAIBARIEN PORT CU 2231N 07928W
VESSELS -- NONE OBSERVED.

25X1 [REDACTED]
CASILDA PORT CU 2145N 07959W
VESSELS -- NONE OBSERVED.

25X1 [REDACTED]
BAHIA HONDA PORT CU 2255N 08310W
VESSELS -- 1 FREIGHTER.

ELECTRONICS/COMMUNICATIONS

25X1 [REDACTED]
SANTA FE EW/GCI RADAR SITE CU 2139N 08245W
OB -- NONE OBSERVED.

25X1 [REDACTED]
ACTIVITY -- 4 VAN TRUCKS, 1 CARGO TRUCK, AND 4 OTHER
VEHICLES/PIECES OF EQUIPMENT.

25X1 [REDACTED]
RANCHO LUNA LOW SIEVE RADAR SITE CU 2202N 08025W
OB -- 1 LOW SIEVE RADAR.

MILITARY ACTIVITY

25X1 [REDACTED]
ALTO CEDRO MILITARY CAMP CU 2029N 07600W
OB -- 18 TANKS/SP GUNS, 12 BTR 60-P, 16 PROBABLE FA
PIECES, 23 AAA PIECES, 6 MORTARS, 72 CARGO TRUCKS, AND
83 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1 [REDACTED]
ARTEMISA MILITARY CAMP CU 2250N 08248W
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OB -- 21 TANKS/SP GUNS, 5 AAA PIECES, 16 CARGO TRUCKS,
22 MILITARY TRACKS.

25X1 ACTIVITY -- 1 OCCUPIED 9-GUN AAA SITE AND 1 OCCUPIED
6-GUN AAA SITE
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NO APPARENT CHANGE IN FACILITIES.

[REDACTED]
GUANTANAMO AREA CU 2018N 07525W
NO NEW MILITARY ACTIVITY OBSERVED IN AREAS COVERED.
AREA 1 -- 80 PERCENT USEABLE COVERAGE.
AREAS 2, 3, 6, 9 -- 85 PERCENT USEABLE COVERAGE.
25X1 AREA 1 -- 10 PERCENT USEABLE COVERAGE.
AREA 1 -- 15 PERCENT USEABLE COVERAGE.
AREAS 7, 8, 10 -- NOT COVERED.

[REDACTED]
HOLGUIN MILITARY CAMP CU 2053N 07613W
OB -- 3 TANKS/SP GUNS, 14 FA/PIECES, 6 FA/AAA PIECES, 4
5X1 MORTARS, 46 CARGO TRUCKS, 4 VAN TRUCKS, 5 UTILITY
TRUCKS, AND 61 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

[REDACTED]
HOLGUIN MILITARY CAMP NW CU 2057N 07616W
25X1 OB -- 2 TANKS/SP GUNS, 11 AAA PIECES, 19 CARGO TRUCKS,
AND 2 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

[REDACTED]
REMEDIOS MILITARY AREA CU 2227N 07935W
OB -- 51 FA PIECES, 17 MORTARS, 103 CARGO TRUCKS, 3
UTILITY TRUCKS, 4 CARGO TRAILERS, AND 17 OTHER VEHICLES
6X1 OBSERVED IN CLOUD-FREE AREAS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

[REDACTED]
25X1 GUANAJAY MILITARY CAMP MARTIN MESA CU 2257N 08243E
OB -- AT 75 VEHICLES/PIECES OF EQUIPMENT.
OBLIQUITY LIMITS INTERPRETATION.

[REDACTED]
25X1 JURAGUA MILITARY ACTIVITY CU 2209N 08035W
OB -- NONE OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

[REDACTED]
25X1 MINAS MILITARY CAMP CU 2127N 07734W
OB -- 18 TANKS/SP GUNS, 10 CARGO TRUCKS, 1 UTILITY
TRUCK.
NO APPARENT CHANGE IN FACILITIES.

[REDACTED]
25X1 PUERTO PADRE MILITARY AREA CU 2111N 07639W
OB -- AT LEAST 19 VEHICLES/PIECES OF EQUIPMENT OBSERVED
IN CLOUD-FREE AREAS.
NO APPARENT CHANGE IN FACILITIES.

[REDACTED]
25X1 SAN DIEGO DE NUNEZ MILITARY CAMP CU 2254N 08305W
CONSTRUCTION CONTINUES AT SOUTH END OF CAMP.
OB -- 8 CARGO TRUCKS, 3 VAN TRAILERS, AND 21
VEHICLES/PIECES OF EQUIPMENT.

25X1 [REDACTED]
SANTA FE MILITARY CAMP LA CLARITA CU 2144N 08247W
MAIN CAMP -- CLOUD-COVERED.
OB OCAMP 1.5 NM WNW -- 3 CARGO TRUCKS AND 4
VEHICLES/PIECES OF EQUIPMENT.
25X1 OB OCAMP 4.8 NM NW -- 19 CARGO TRUCKS AND AT LEAST 6
VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

[REDACTED]
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SANTA FE MILITARY CAMP LUMUNDA CU 2142N 08249W
OB -- 12 AAA PIECES

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NO APPARENT CHANGE IN FACILITIES.

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SIGUANEA MILITARY ACTIVITY CU 2137N 08257W

OB -- 11 FA/AAA PIECES AND 3 PROBABLE CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

CIENFUEGOS MILITARY ACTIVITY CU 2209N 08027W

OB -- 16 FA PIECES AND 9 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

CONDADO PROBABLE MILITARY INSTALLATION CU 2152N 07951W

OB -- NONE OBSERVED.

NO APPARENT CHANGE IN FACILITIES.

PLAYA YATERITAS LANDING BEACH CU 1958N 07457W

NO NEW MILITARY ACTIVITY OBSERVED.

CIENFUEGOS LANDING BEACH CU 2202N 08036W

NO NEW MILITARY ACTIVITY OBSERVED.

ENSENADA COLORADO LANDING BEACH CU 2202N 08025W

NO NEW MILITARY ACTIVITY OBSERVED.

PLAYA COLOMBO LANDING BEACH CU 2154N 08246W

NO NEW MILITARY ACTIVITY OBSERVED.

PLAYA DE FLAMENCOS LANDING BEACH CU 2153N 08243W

NO NEW MILITARY ACTIVITY OBSERVED.

IMIAS LANDING BEACH CU 2005N 07440W

NO NEW MILITARY ACTIVITY OBSERVED.

MOA PUNTA GORDON LANDING BEACH CU 2039N 07453W

NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

MOA CANANOVAN LANDING BEACH CU 2039N 07502W

NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

~~STATUS OF OTHER TARGETS--~~

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

BAHIA HONDA EW/GCI RADAR SITE 2258N 08311W

BAHIA HONDA EW/GCI RADAR SITE 2 2255N 08312W

HOLGUIN EW/GCI RADAR SITE 2040N 07618W

PUNTA MAISI LOW SIEVE RADAR SITE 2014N 07409W

CABANAS LOW SIEVE RADAR SITE 2259N 08259W

SPECIAL AREA VERMONT 2301N 08248W

SPECIAL AREA OREGON 2259N 08244W

SPECIAL AREA GREEN 2255N 08242W

CAYO DE SABINAL LANDING BEACH 2144N 07728W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

CIFUENTES SAM ASSEMBLY AREA 2236N 08025W

RANCHUELO SAM SITE A33-2 2223N 08010W

SAN ANTONIO DE LOS BANOS AIRFIELD 2252N 08230W

SAN ANTONIO DE LOS BANOS EW/GCI SITE 2 2253N 08230W

SAGUA LA GRANDE EW/GCI RADAR SITE 2 2248N 08006W

PUNTA MULAS SUSPECT LOW SIEVE RADAR SITE 2101N 07535W

OFELIA MILITARY CAMP 2006N 07530W

SANTA CLARA ARTILLERY TRAINING AREA 2222N 08000W

SANTA CLARA MILITARY ACTIVITY 2220N 07957W

SANTA CLARA MILITARY CAMP SOUTH 2222N 07958W

LAS MERCEDES VEHICLE PARK 2224N 08001W

ALVIZAR MILITARY ACTIVITY 2251N 08234W

ALVIZAR LANDING BEACH 2240N 07513W

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